

Elbert County, Colorado, Western Part

8—Bresser-Stapleton sandy loams, 8 to 25 percent slopes

Map Unit Setting

National map unit symbol: jnl7

Elevation: 5,300 to 6,400 feet

Mean annual precipitation: 14 to 17 inches

Frost-free period: 120 to 155 days

Farmland classification: Not prime farmland

Map Unit Composition

Bresser and similar soils: 50 percent

Stapleton and similar soils: 25 percent

Minor components: 25 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Bresser

Setting

Landform: Hills, valley sides, ridges

Landform position (two-dimensional): Footslope, backslope

Landform position (three-dimensional): Side slope, crest

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Alluvium and/or arkosic residuum weathered from sedimentary rock

Typical profile

H1 - 0 to 7 inches: sandy loam

H2 - 7 to 20 inches: sandy clay loam, clay loam

H2 - 7 to 20 inches: sandy loam

H3 - 20 to 29 inches: loamy coarse sand, gravelly loamy sand, very gravelly loamy sand

H4 - 29 to 60 inches:

H4 - 29 to 60 inches:

H4 - 29 to 60 inches:

Properties and qualities

Slope: 8 to 20 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Runoff class: Medium

Capacity of the most limiting layer to transmit water (Ksat):

Moderately high to high (0.60 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum in profile: 10 percent

Available water storage in profile: High (about 11.0 inches)

Interpretive groups

Land capability classification (irrigated): 6e
Land capability classification (nonirrigated): 6e
Hydrologic Soil Group: B
Ecological site: Sandy Foothill (R049BY210CO)
Hydric soil rating: No

Description of Stapleton

Setting

Landform: Hills, ridges, valley sides
Landform position (two-dimensional): Footslope, backslope
Landform position (three-dimensional): Side slope, crest
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium and/or arkosic residuum weathered from sedimentary rock

Typical profile

H1 - 0 to 37 inches: sandy loam
H2 - 37 to 60 inches: loamy coarse sand, loamy sand, gravelly loamy sand
H2 - 37 to 60 inches:
H2 - 37 to 60 inches:

Properties and qualities

Slope: 8 to 25 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): High to very high (6.00 to 20.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Moderate (about 8.2 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6e
Hydrologic Soil Group: B
Ecological site: Sandy Foothill (R049BY210CO)
Hydric soil rating: No

Minor Components

Other soils

Percent of map unit: 10 percent
Hydric soil rating: No

Cushman

Percent of map unit: 7 percent
Hydric soil rating: No

Weld

Percent of map unit: 6 percent

Hydric soil rating: No

Aquic haplustoll

Percent of map unit: 2 percent

Landform: Swales

Hydric soil rating: Yes

Data Source Information

Soil Survey Area: Elbert County, Colorado, Western Part

Survey Area Data: Version 14, Sep 10, 2018